

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 02/01/2021

Reviewed on 02/01/2021

### 1 Identification

- **Product identifier**
- **Trade name: ROMPOX-DEKO**
- **Application of the substance / the mixture** Hardeners for mortar systems
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ROMEX Produktionsgesellschaft mbH  
Mühlgrabenstraße 19  
D-53340 MECKENHEIM  
DEUTSCHLAND  
H.Blaesner@romex-rpg.de
- **Information department:** Abteilung Produktsicherheit
- **Emergency telephone number:**  
"Alberta - Poison and Drug Information Services (PADIS) Toll-free 1-800-332-1414 (within Alberta and Northwest Territories only) (403) 944-1414 (in Calgary, VOIP users, or outside of Alberta)  
British Columbia - British Columbia Drug and Poison Information Centre (DPIC) Toll-free 1-800-567-8911 (within BC only) (604) 682-5050 (Greater Vancouver)  
Manitoba - Manitoba Poison Centre Toll-free 1-855-7POISON (1-855-776-4766)  
New Brunswick - Sykes Telehealth 911  
Newfoundland and Labrador - Poison Information Centre Toll-free 1-866-727-1110 (709) 722-1110  
Northwest Territories - Poison and Drug Information Services (PADIS) Toll-free 1-800-332-1414 (for Alberta and Northwest Territories only)  
Nova Scotia - IWK Regional Poison Centre Toll-free 1-800-565-8161 (for Nova Scotia and PEI only) or call 911 and ask to speak to the Poison Centre (902) 470-8161 (Halifax or outside Nova Scotia)  
Nunavut - Toll-Free 1-800-268-9017  
Ontario - Ontario Poison Centre (OPC) Toll-free 1-800-268-9017 (within Ontario) (416) 813-5900 (Greater Toronto Area) Prince Edward Island - IWK Regional Poison Centre Toll-free 1-800-565-8161 (for Nova Scotia and PEI only)  
Québec - Centre antipoison du Québec (CAPQ) Toll-free 1-800-463-5060 (for Quebec only)  
Saskatchewan - Poison and Drug Information Services (PADIS) Toll-free 1-866-454-1212 (for Saskatchewan only) Yukon Territory - Yukon Poison Control Centre - Whitehorse General Hospital (867) 393-8700"
- **Giftnotrufzentrale BONN, Germany**  
Tel.: 0049(0)228-19240
- **ROMEX, Abtlg. Produktsicherheit von 08:00-17:00 : +49 (0)2225 70954-10**

### 2 Hazard identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Reproductive Toxicity - Category 1B

H360 May damage fertility or the unborn child.



GHS07

Acute Toxicity (Dermal) – Category 4

H312 Harmful in contact with skin.

Acute Toxicity (Inhalation) - Category 4

H332 Harmful if inhaled.

Skin Sensitizer - Category 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure - Category 3

H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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### Hazard pictograms



GHS07 GHS08

### Signal word Danger

### Hazard-determining components of labeling:

Hexamethylenediisocyanat- Oligomere  
dibutyltin dilaurate  
hexamethylene-di-isocyanate

### Hazard statements

Harmful in contact with skin or if inhaled.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.  
May cause respiratory irritation.

### Precautionary statements

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin: Wash with plenty of water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF exposed or concerned: Get medical advice/attention.  
Call a poison center/doctor if you feel unwell.  
Take off contaminated clothing and wash it before reuse.  
Specific measures (see on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off immediately all contaminated clothing.  
Wash contaminated clothing before reuse.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### Classification system:

### NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 1  
Reactivity = 0

### HMIS-ratings (scale 0 - 4)



HEALTH 2 Health = 2  
FIRE 1 Fire = 1  
REACTIVITY 0 Reactivity = 0

## 3 Composition/Information on ingredients

### Chemical characterization: Substances

#### Dangerous components:

77-58-7	dibutyltin dilaurate	<0.5% w/w
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822-06-0 hexamethylene-di-isocyanate

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&lt;0.28% w/w

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Hydrogen cyanide (HCN)  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Mouth respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- **Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
 Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

#### 77-58-7 dibutyltin dilaurate

EL	STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> as Sn; Skin
EV	TWA: 0.1 mg/m <sup>3</sup> as Sn, Skin

#### 822-06-0 hexamethylene-di-isocyanate

EL	TWA: 0.005 ppm Ceiling: 0.01 ppm S(R)
EV	TWA: 0.005 ppm Ceiling: 0.02 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Do not eat, drink, smoke or sniff while working.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

Recommended material thickness:  $\geq 0,5\text{mm}$ 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Not suitable are gloves made of the following materials:**

Strong gloves

Leather gloves

Natural rubber, NR

· **Eye protection:** Goggles recommended during refilling.

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Colorless
<b>Odor:</b>	Weak, characteristic
<b>Odor threshold:</b>	Not determined.

· **pH-value at 20 °C:** 5

· **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

· **Vapor pressure:** Not determined.

· **Density at 20 °C:** 1.2 g/cm<sup>3</sup>

· **Relative density** Not determined.

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· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	500–700 mPas
<b>Kinematic:</b>	Not determined.
· <b>Solids content:</b>	100.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
None if used as directed. Exothermic reaction with amines and alcohols. With water (moisture) : CO<sub>2</sub> evolution; pressure build-up possible in closed containers (risk of bursting).
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

#### ATE (Acute Toxicity Estimate)

Oral	LD50	>2,275–4,550 mg/kg (rat)
Dermal	LD50	>1,820–3,640 mg/kg (rat)
Inhalative	LC50/4 h	1.36–2.73 mg/l (rat)

#### 28182-81-2 Hexamethylendiisocyanat- Oligomere

Oral	LD50	>2,500 mg/kg (rat) (OECD-Prüfrichtlinie 423)
Dermal	LD50	>2,000 mg/kg (rat) (OECD Prüfrichtlinie 402)
		>2,000 mg/kg (rabbit)
Inhalative	LD50	543 mg/m <sup>3</sup> (rat) ((OECD-Prüfrichtlinie 403))
	LC50/4 h	1.5 mg/l (rat) (Staub/Nebel)

#### 822-06-0 hexamethylene-di-isocyanate

Oral	LD50	746 mg/kg (rat)
Dermal	LD0	593 mg/kg (rabbit)
Inhalative	LC50/4 h	462 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

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- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**28182-81-2 Hexamethylendiisocyanat- Oligomere**

LC50(96h) &gt;100 mg/l (Danio rerio) (OECD Prüfrichtlinie 203)

EC0 (48h) &gt;100 mg/l (daphnia magna)

IC50(72h) 199 mg/l (Scenedesmus subspicatus)

**822-06-0 hexamethylene-di-isocyanate**

LC0 (96h) &gt;82.8 mg/l (Brachydanio rerio) (OECD TG 203)

EC50(72h) &gt;77.4 mg/l (Scenedesmus subspicatus) (OECD TG 201)

EC50 (96h) 842 mg/l (Belebtschlamm) (OECD Nr. 209)

EC0 (48h) &gt;89.1 mg/l (daphnia magna) (OECD TG 202)

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:**

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

## 14 Transport information

- **UN-Number**

- **DOT/TDG, ADR, ADN, IMDG, IATA** not regulated

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- |  |                 |
|--|-----------------|
| · <b>UN proper shipping name</b>   |                 |
| · <b>DOT/TDG, ADR, ADN, IMDG, IATA</b>   | not regulated   |
| · <b>Transport hazard class(es)</b>  |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>   | not regulated   |
| · <b>Packing group</b>   |                 |
| · <b>DOT/TDG, ADR, IMDG, IATA</b>  | not regulated   |
| · <b>Environmental hazards:</b>  |                 |
|  | Not applicable. |
| · <b>Special precautions for user</b>  |                 |
|  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> |                 |
|  | Not applicable. |
| · <b>UN "Model Regulation":</b>  |                 |
|  | not regulated   |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· <b>Section 355 (extremely hazardous substances):</b>
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None of the ingredients is listed.
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· <b>Section 313 (Specific toxic chemical listings):</b>
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822-06-0   hexamethylene-di-isocyanate
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· <b>TSCA (Toxic Substances Control Act):</b>
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All components have the value ACTIVE.
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· <b>Canadian substance listings:</b>
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· <b>Canadian Domestic Substances List (DSL)</b>
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All ingredients are listed.
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· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>
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822-06-0   hexamethylene-di-isocyanate
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· <b>Canadian Ingredient Disclosure list (limit 1%)</b>
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None of the ingredients is listed.
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- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07 GHS08

- **Signal word Danger**

- **Hazard-determining components of labeling:**

Hexamethylenediisocyanat- Oligomere  
dibutyltin dilaurate  
hexamethylene-di-isocyanate

- **Hazard statements**

Harmful in contact with skin or if inhaled.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.

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*May cause respiratory irritation.*

· **Precautionary statements**

*Obtain special instructions before use.*

*Do not handle until all safety precautions have been read and understood.*

*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*Use only outdoors or in a well-ventilated area.*

*Contaminated work clothing should not be allowed out of the workplace.*

*Wear protective gloves/protective clothing/eye protection/face protection.*

*If on skin: Wash with plenty of water.*

*IF INHALED: Remove person to fresh air and keep comfortable for breathing.*

*IF exposed or concerned: Get medical advice/attention.*

*Call a poison center/doctor if you feel unwell.*

*Take off contaminated clothing and wash it before reuse.*

*Specific measures (see on this label).*

*If skin irritation or rash occurs: Get medical advice/attention.*

*Take off immediately all contaminated clothing.*

*Wash contaminated clothing before reuse.*

*Store in a well-ventilated place. Keep container tightly closed.*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **National regulations:**

· **Information about limitation of use:**

*Employment restrictions concerning young persons must be observed.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing SDS:** Abteilung Umweltschutz

· **Contact:** Hr. Blaesner

· **Date of the latest revision of the safety data sheet** 02/01/2021 / -

· **Abbreviations and acronyms:**

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

· **\* Data compared to the previous version altered.**

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